

For Research Use Only

# IDO1 Monoclonal antibody

Catalog Number: 66528-1-Ig **5 Publications**



## Basic Information

<b>Catalog Number:</b> 66528-1-Ig	<b>GenBank Accession Number:</b> BC027882	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150UL, Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3620	<b>CloneNo.:</b> 3G2G11
<b>Source:</b> Mouse	<b>Full Name:</b> indoleamine 2,3-dioxygenase 1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 403 aa, 45 kDa	
<b>Immunogen Catalog Number:</b> AG3953	<b>Observed MW:</b> 42 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB: HeLa cells, HSC-T6 cells, 4T1 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human, mouse, rat	
<b>Cited Species:</b> human, mouse	

## Background Information

IDO1 is the target for therapy in a range of clinical settings, including cancer, chronic infections, autoimmune and allergic syndromes, and transplantation. Elevated IDO1 expression is a hallmark of major viral infections including HIV, HBV, HCV or influenza and also of major bacteria infections, such as Tb, CAP, listeriosis and sepsis. Pathogens are able to hijack the immunosuppressive effects of IDO1 and make use of them to facilitate their own life cycle. MW of IDO1 is 40-42kd (PMID: 14502282; 17055065).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuanhui Zhu	32926778	ACS Chem Neurosci	WB
Bo Zhang	31784933	Chin J Integr Med	WB
Bo Zhang	31141940	Molecules	WB

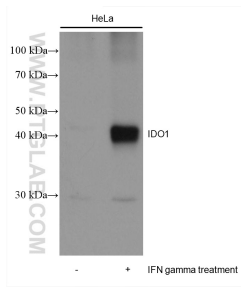
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66528-1-Ig (IDO1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.